

## ABSTRACT OF THE DISCLOSURE

A method of discriminating voice, data, and facsimile calls communicated through a voice-over-packet network. The gateway is provided with software which can identify the existence of an answer signal (ANS) or a modified answer signal (ANSam) communicated between an answering modem and an originating modem over a packet network during a voice state call. The originating gateway can generate an ANS tone according to the protocols of the originating modem, using an originating-side gateway, when the existence of the ANS signal is identified by the receiving-side gateway. The originating gateway also generates an ANSam tone according to the protocols of the originating modem, using the originating-side gateway, when the existence of the ANSam signal is identified by the receiving-side gateway.